

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings of claims in the application.

No changes to the claims are being made.

Listing of Claims:

Claim 1 (Original): Method for automatically setting the gain of an interrogator receiver within a non-contacting identification system consisting of the interrogator and several transponders, according to which method, within a receiver amplifier of the interrogator, a gain lowering is activated each time when an amplified input signal exceeds an attack threshold voltage level (V_{att}), and a gain rising is activated after the gain lowering has ended, characterized in that the amplifier responds with the gain rising activated after the lapse of a waiting period which started when the instantaneous value of the amplified signal for the last time after the end of the gain lowering exceeded a waiting threshold voltage level (V_w).

Claim 2 (Original): Method as recited in claim 1, characterized in that the rate of the gain rising is of the same order of magnitude as the rate of the gain lowering.

Claim 3 (Previously Amended): Method as recited in claim 1, characterized in that the length of the waiting period equals a double length of the longest time interval between the adjacent pulses in a transponder data wave packet.